



CONSTRUCTION EQUIPMENT

SWA120029-10 VOLVO L110H 631934 - HYDRAULIC SYSTEM



Sample No: VCP390539
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA120029-10



SAMPLE INFORMATION

Sample Number	VCP390539	---	---	---
Sample Date	22 Dec 2022	---	---	---
Machine Hours	1075	---	---	---
Oil Hours	1075	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ULSTER COUNTY RESOURCE RECOVERY AGENCY
 999 FLATBUSH AVE
 KINGSTON, NY
 US 12401
 Contact: CHARLES WHITTAKER
 cwhf@ucrra.net
 T: (845)399-2686
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 44.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.30	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 3202	---	---	---
Particles >6µm		█ 123	---	---	---
Particles >14µm		█ 5	---	---	---
ISO 4406:1999 (c)		19/14/10	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 73	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 395	---	---	---
Phosphorus	ppm	█ 318	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: ULSKIN
Unique No: 10331599
Signed: Wes Davis
Report Date: 09 Feb 2023

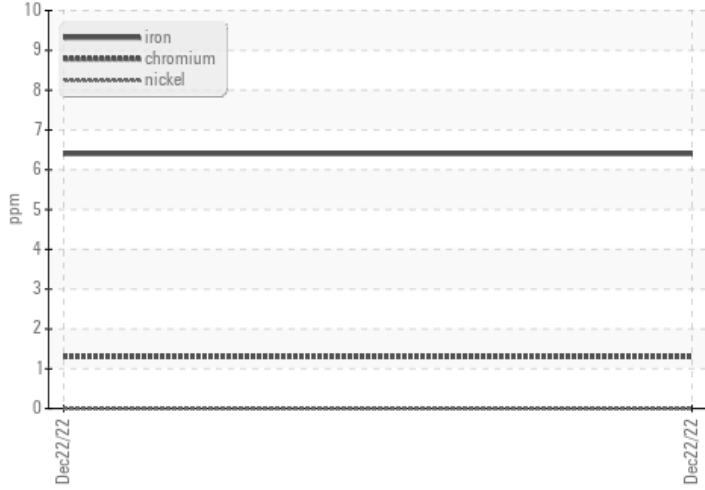


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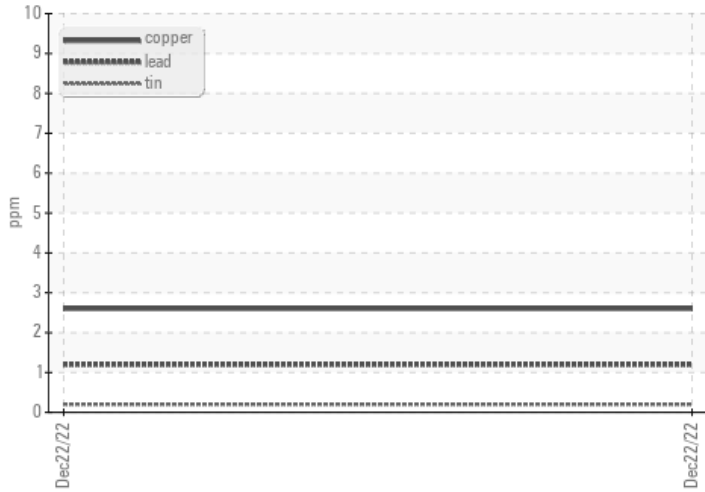


GRAPHS

Ferrous Alloys



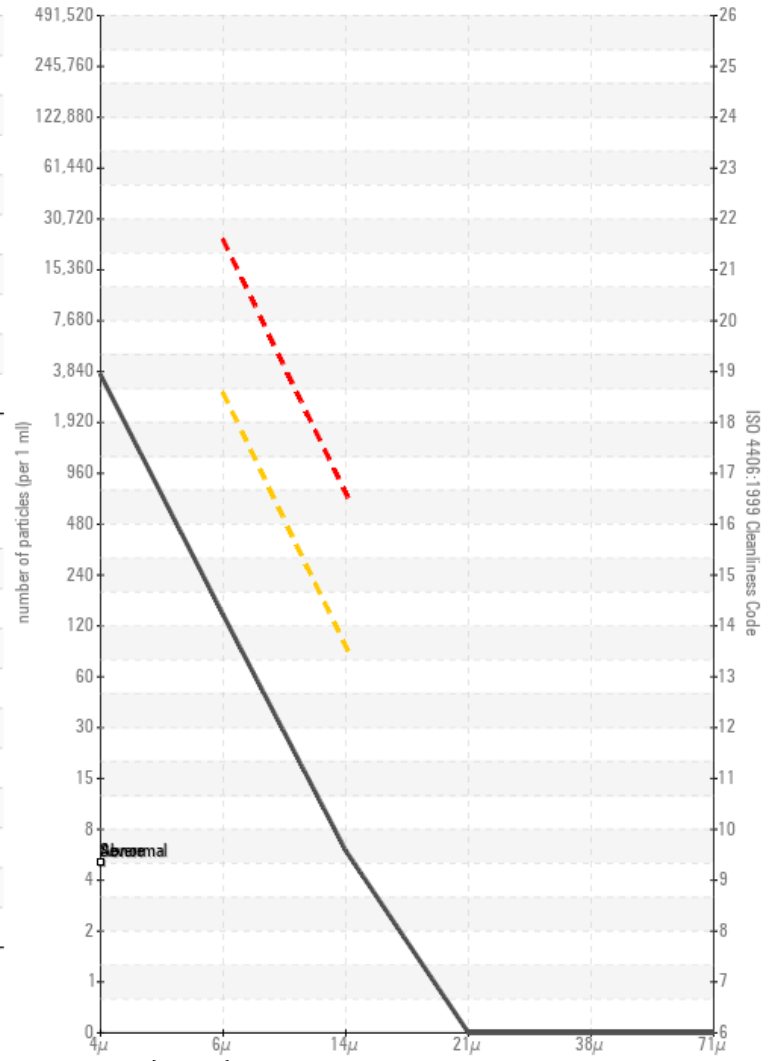
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

